

Product Guide

2014

Corporate and Product Information



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Site web : www.hvssystem.com



for the best interface

Smart Portal

Touch HMI

Touch PLC

Industrial PC / Flat Panel Display

Software

Pro-face

for the best interface

Smart Portal

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SP5000 SERIES
Display Module / Box Module



Touch HMI

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GP4000 SERIES
Standard / W / Modular / Compact / Rear Mount



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Multimedia / Handy



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Industrial PC

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Industrial Flat Panel Display

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Software

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Remote Monitoring Software for mobile

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HMI Screen Editor & Logic Programming Software

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Data Management Software

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Camera Remote Monitoring Software

Page 17 **GP-Viewer EX**
Screen Remote Monitoring Software

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Remote PC Access

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HMI Runtime Engine for PC

SMART PORTAL SP5000



Connecting information and people for optimal communication

Valuable information in the right format

Bring your factory closer to your office

Simple to use —any time, any place



Having more information is not necessarily better than having less. Value is created when the right information reaches the right people in the right format.



By segmenting the network, SMART PORTAL makes it possible to connect factories and offices while ensuring the highest security.



Overseas production and the diversification of market needs have increased the need for efficient machine setup and maintenance.

Check out the Movies.
www.proface.eu/product/smart_portal/sp5000.html



Smart Portal Multi-Driver

The new SP5000 link the HMI and IPC worlds. Display size from 15" to 7"



SP-5700TP

- 16 million colors TFT
- 1,024 × 768 pixels (XGA)
- Resistive Film (analog, multi-touch)
- Auto Scaling
- Color Variation

Brightness Sensor
 USB (Host) | USB (Device)
 12-24 VDC

SP-5600TP

- 16 million colors TFT
- 1,024 × 768 pixels (XGA)
- Resistive Film (analog, multi-touch)
- Auto Scaling
- Color Variation

Brightness Sensor
 USB (Host) | USB (Device)
 12-24 VDC

SP-5500TP

- 16 million colors TFT
- 800 × 600 pixels (SVGA)
- Resistive Film (analog, multi-touch)
- Auto Scaling
- Color Variation

Brightness Sensor
 USB (Host) | USB (Device)
 12-24 VDC



SP-5600WA

- 262,144 colors TFT
- 1,280 × 800 pixels (WXGA)
- Resistive Film (analog)
- Color Variation

Brightness Sensor
 USB (Host) | USB (Device)
 12-24 VDC

SP-5500WA

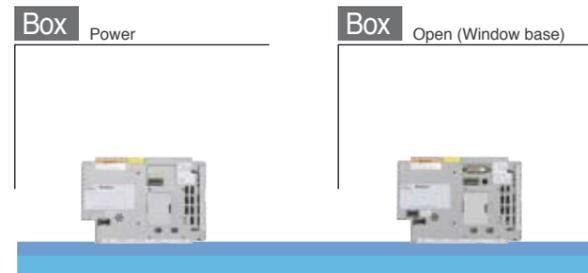
- 262,144 colors TFT
- 1,280 × 800 pixels (WXGA)
- Resistive Film (analog)
- Color Variation

Brightness Sensor
 USB (Host) | USB (Device)
 12-24 VDC

SP-5400WA

- 262,144 colors TFT
- 800 × 480 pixels (WVGA)
- Resistive Film (analog)
- Color Variation

Brightness Sensor
 USB (Host) | USB (Device)
 12-24 VDC



SP-5B10

- Data Backup 320 KB
- Application 64MB (Screen Size)
- Built-in Control Program

Ethernet 2ch
 COM 2 ch
 AUX 1ch | DVI-D 1ch
 Audio Input 1ch
 USB (Host) 2ch | USB (Device) 1ch
 DC

SP-5B40*

- Data Backup 320 KB
- Application 64MB (Screen Size)
- Application approx. 5GB (Free Space)

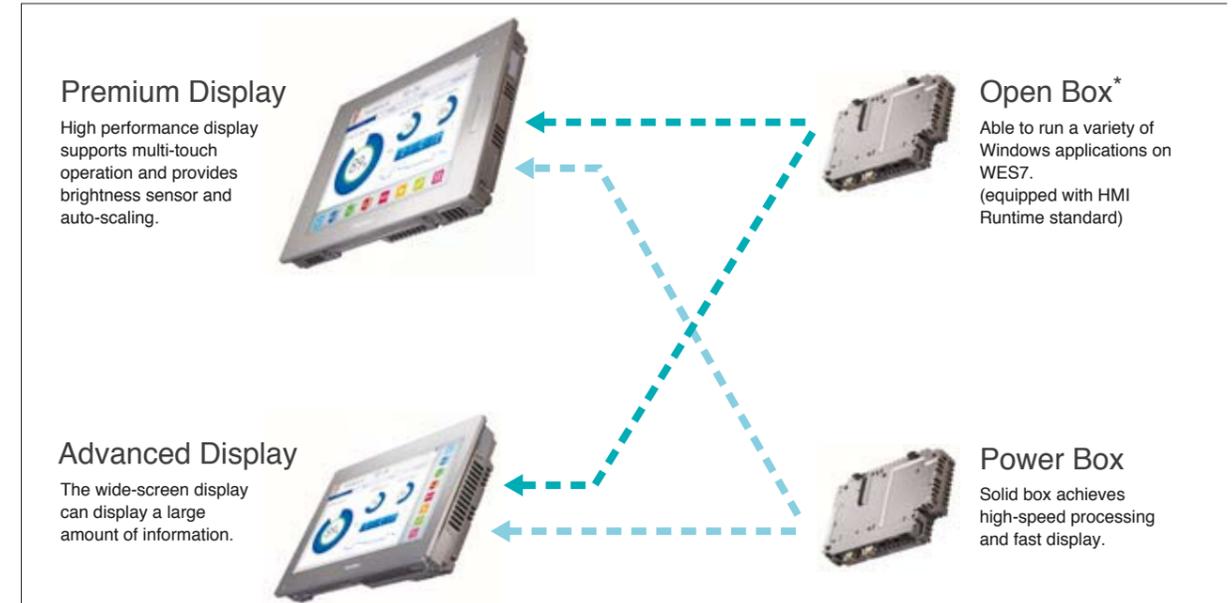
Ethernet 2ch
 COM 2 ch
 AUX 1ch | DVI-D 1ch
 Audio Input 1ch
 USB (Host) 3ch | USB (Device) 1ch
 DC

For further information, visit our website.
www.proface.eu/product/smart_portal/sp5000.html

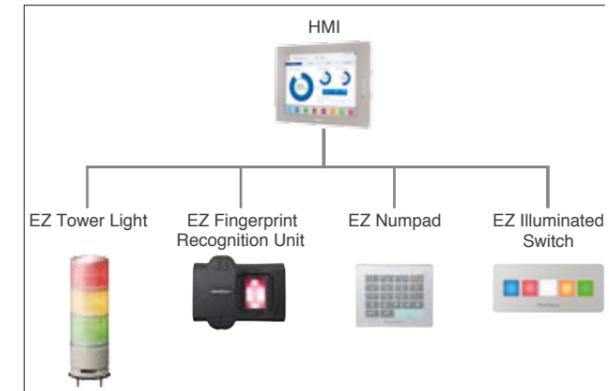


Display + Box module design provides flexible functionality and size

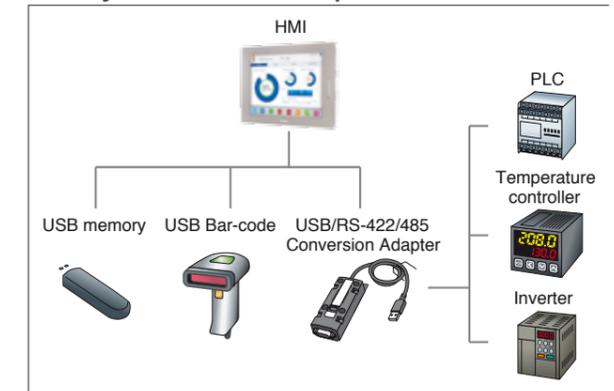
12 Combinations



Pro-face EZ Series USB devices



Easily connect multiple USB devices



Customization

- Overlay: Silver, Off-white, Beige, Black
- Bezel: Silver, Black
- Front USB port covered by overlay
- Corrosion-resistant Board Coating for Environmental Requirement

International Safety Standards*
 *For details, visit our website.

*: Open box expected soon

For further information, visit our website.
www.proface.eu/product/smart_portal/sp5000.html

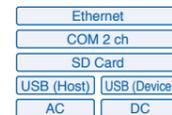


The GP4000 Series brings high performance with a wide variety of sizes from 12.1" to 3.4"



GP-460xT

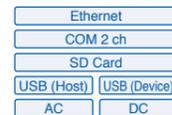
- 65,536-color TFT
- 800 × 600 pixels (SVGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W315 x H241 x D56 mm [W12.4 x H9.49 x D2.2 in.]



Coated models are available
COM-isolated models are available

GP-450xT

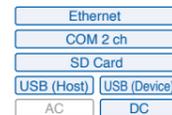
- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W272.5 x H214.5 x D57 mm [W10.73 x H8.44 x D2.24 in.]



Coated models are available
COM-isolated models are available

GP-4401T

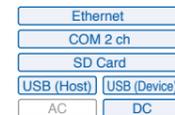
- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W218 x H173 x D60 mm [W8.58 x H6.81 x D2.36 in.]



Coated models are available
COM-isolated models are available

GP-430xT

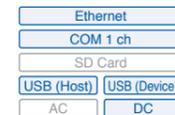
- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W169.5 x H137 x D59.5 mm [W6.67 x H5.39 x D2.34 in.]



Coated models are available
COM-isolated models are available

GP-420xT

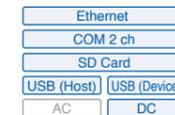
- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W132 x H106 x D42 mm [W5.2 x H4.17 x D1.65 in.]



COM-isolated models are available

GP-4501TW

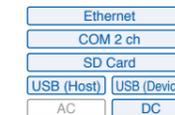
- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- W315 x H241 x D56 mm [W12.4 x H9.49 x D2.2 in.]



Coated models are available

GP-4401WW

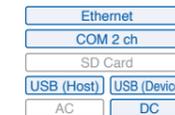
- 65,536-color TFT
- 800 × 480 pixels (WVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- W218 x H173 x D60 mm [W8.58 x H6.81 x D2.36 in.]



Coated models are available

GP-4301TW

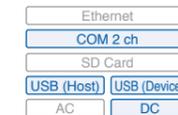
- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- Built-in Control Program
- W169.5 x H137 x D59.5 mm [W6.67 x H5.39 x D2.34 in.]



Coated models are available

GP-4201TW

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- Built-in Control Program
- W132 x H106 x D42 mm [W5.2 x H4.17 x D1.65 in.]



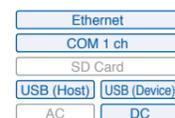
Coated models are available

5.7" Modular Type



GP-4301TM

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- W163 x H129.4 x D56.5 mm [W6.41 x H5.09 x D2.224 in.]

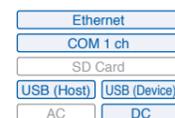


3.5" Modular Type



GP-4201TM

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- W97.6 x H80 x D56.3 mm [W3.84 x H3.1 x D2.21 in.]

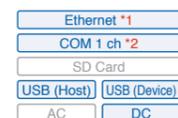


3.4" Compact Type



GP-4100

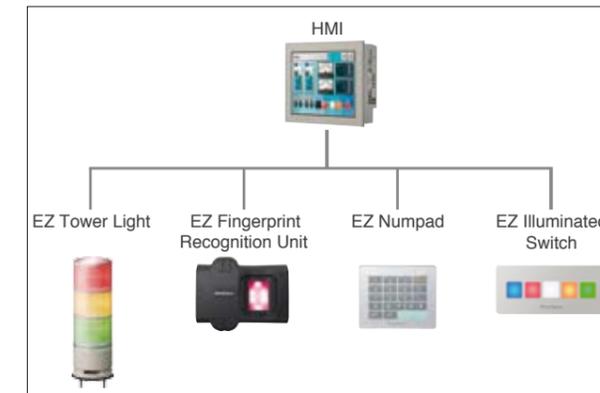
- 16-shades Mono
- 3-color Switchable Backlight
- 200 × 80 pixels
- Analog Touch Panel
- Application 2.2MB
- Data Backup 128KB
- W116 x H77.5 x D28 mm [W4.59 x H3.05 x D1.1 in.]



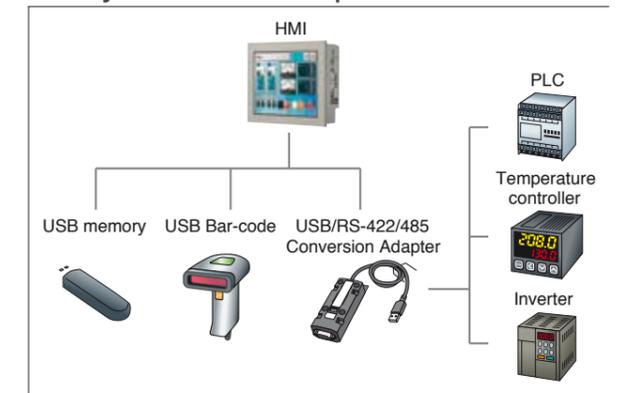
COM-isolated models are available

*1: GP-4104 only
*2: Excluding GP-4104

Pro-face EZ Series USB devices



Easily connect multiple USB devices



Customization

- Overlay: Gray, Off-white, Beige, Black
- Bezel: Gray, Black
- Corrosion-resistant Board Coating for Environmental Requirement
All GP4000 Series products are available in coated models. (Except GP4100 Series and GP4000M Series)

Modular Type for Easy Mounting (GP-4000M)



International Safety Standards*
*For details, visit our website.



For further information, visit our website.
www.proface.eu/product/hmi/gp4000.html



New GP4000 Rear Mount Series: display size from 12,1" to 5,7"



GP-4601TADR

- 65,536-color TFT
- 800 × 600 pixels (SVGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

GP-4501TADR

- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

GP-4401TADR

- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

GP-4301TADR

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

The operator panel that enhances your equipment design

Seamless

Integrates into Machine Design

12.1 in
DC/Analog

10.4 in
DC/Analog

7.5 in
DC/Analog

5.7 in
DC/Analog



Maintain Hygiene of Display Area (Flat mount only)

Creates a flat, SEAMLESS display area to prevent accumulation of mold and dust, and to maintain a hygienic environment. Protective structure performance equivalent to IP65F can be expected*



* By affixing an overlay (optional) to a console made from a specified material or a surface-treated console. For details, please refer to the Hardware manual

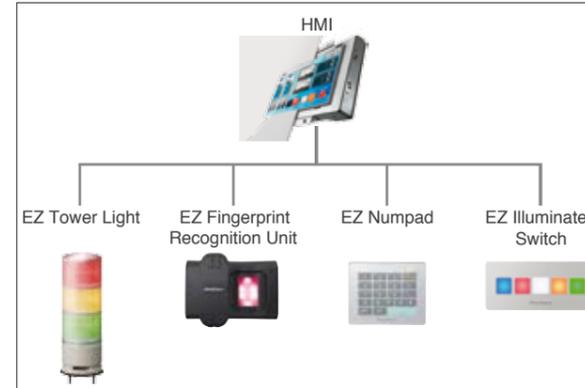
Choose from Mounting Patterns

Screen and bracket position selectable

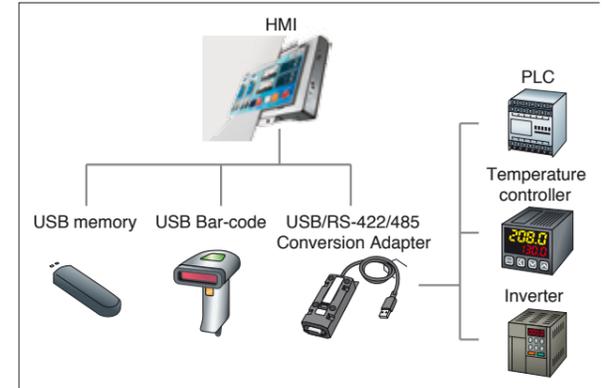


- Overlay
- Panel surface (metal or Plastic)
- LCD screen

Pro-face EZ Series USB devices



Easily connect multiple USB devices



Overlay

- Off-white (standard), Gray, Beige, Black

International Safety Standards*
*For details, visit our website.



For further information, visit our website.
www.proface.eu/product/hmi/gp4000/features/face.html



Touch HMI Multi-Driver and Multi-Media

The AGP3000 Series is available in a wide variety of sizes from 15" to 5.7".

Handy Touch HMI Muti-Driver



AGP-3750T

- 65,536-color TFT
- 1,024 x 768 pixels (XGA)
- Analog Touch Panel
- Application 16MB*
- *10MB when the Event Recorder Function is in use.
- Data Backup 320KB
- Built-in Control Program
- W395 x H294 x D60 mm
- [W15.55 x H11.57 x D2.36 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

Coated models are available

AGP-3650U/T

- 65,536-color TFT
- AGP-3650U is ultra high-brightness model
- 800 x 600 pixels (SVGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Built-in Control Program
- W313 x H239 x D56 mm
- [W12.32 x H9.41 x D2.20 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

Coated models are available

AGP-3560T

- 65,536-color TFT
- 800 x 600 pixels (SVGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Built-in Control Program
- W270.5 x H212.5 x D57 mm
- [W10.65 x H8.37 x D2.24 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

Coated models are available

AGP-3450T

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Built-in Control Program
- W215 x H170 x D60mm
- [W8.46 x H6.69 x D2.36 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

Coated models are available

AGP-3360T

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB
- Built-in Control Program
- W167.5 x H135 x D59.5 mm
- [W6.59 x H5.31 x D2.34 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

AGP-3300U

- 65,536-color TFT
- Ultra high-brightness model
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Built-in Control Program
- W167.5 x H135 x D59.5mm
- [W6.59 x H5.31 x D2.34 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

AGP-3310HT

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB
- W224 x H174 x D87.1 mm
- [W8.82 x H6.85 x D3.43 in.]

Ethernet
COM 1 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

AGP-3300HL

- 16-shades Mono
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- W224 x H174 x D87.1 mm
- [W8.82 x H6.85 x D3.43 in.]

Ethernet
COM 1 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

Multi-Media model

The Event Recorder allows you to analyze the cause with recorded images
Video recording can capture a situation in image form.
This feature is effective for predictive maintenance as well as preservation and analysis of error logs.



At the point of event occurrence, video is recorded and saved for a maximum of 60 seconds before and after the event.

Video functions make operation instructions easy to understand
You can play back a video file right on the GP3000. Operation instructions in video can display details clearly.



All operators can easily follow maintenance and operation manuals on video.



Work tips and skills training can be made on-screen.

Video instructions reduce the workload of on-site support [Video Playback]

By providing operation and maintenance instructions on video, you can create an environment that enables any site operators to perform maintenance from clear instructions.



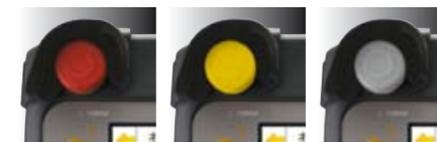
Ultra high-brightness model

Thanks to the high brightness display and the low reflection front, these models provide high visibility even in well-lit locations.



Handheld model

Emergency Switch
Handheld units are available with or without an emergency switch. Switches are available in red, yellow or grey.



3-Position Enable Switch
If a hazardous event occurs, such as an electric shock, releasing or fully pressing the emergency switch will stop machine operation.



The key switch allows you to move the device without triggering the emergency stop.

International Safety Standards*
*For details, visit our website.

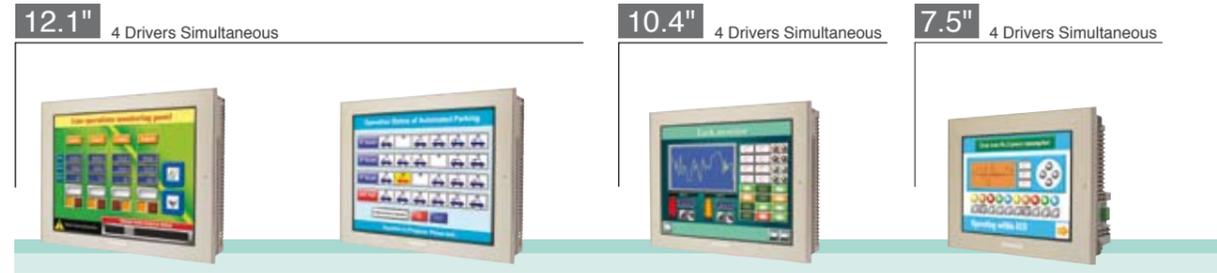
AC Models	UL, CE, RoHS, G
DC Models	UL, CE, Ex, RoHS, G

For further informations, visit our website.
www.proface.eu/product/hmi/gp3000.html



Touch PLC FieldBus I/Os

AGP3000 Series: HMI+PLC



AGP-3600T

- 65,536-color TFT
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W313 x H239 x D56 mm [W12.32 x H9.41 x D2.20 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

AGP-3600U

- 65,536-color TFT
- Ultra high-brightness Model
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W313 x H239 x D56 mm [W12.32 x H9.41 x D2.20 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

AGP-3500T

- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W270.5 x H212.5 x D57 mm [W10.65 x H8.37 x D2.24 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

AGP-3400T

- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W215 x H170 x D60 mm [W8.46 x H6.69 x D2.36 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC



AGP-3300T

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Built-in Control Program
- W167.5 x H135 x D59.5 mm [W6.59 x H5.31 x D2.34 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

CANopen I/O Expansion Unit

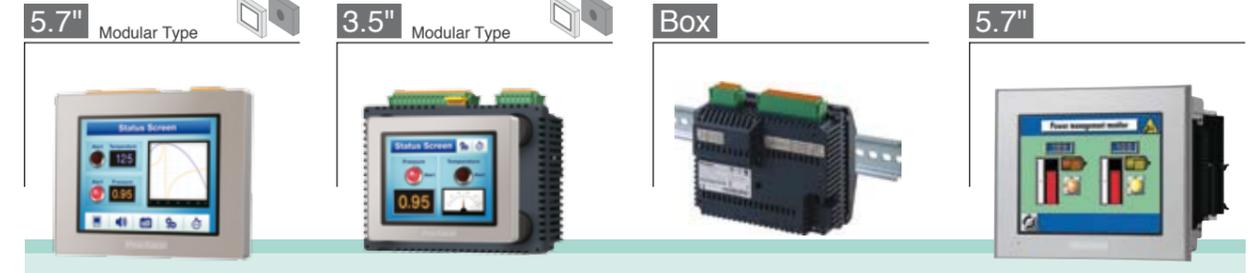


	EX Expansion Module		CANopen Remote I/O
Master	-		CANopen Master
Input	8-point Input	16-point Input	-
Output	8-point Relay Output, 8-point Sink Output, 8-point Source Output	16-point Relay Output, 16-point Sink Output, 16-point Source Output	-
Input/Output	4-point Input/ 4-point Output, 16-point Input/ 8-point Relay Output		CANopen Slave HTB (12-point Input/ 2-point Source Output/ 6-point Relay Output)
Analog	2-ch Analog Input, 2-ch Analog Input/ 1-ch Analog Output, 4-ch Analog Input/ 2-ch Analog Output	1-ch Analog Output, 2-ch Analog Output	-
Temperature	2-ch Thermocouple Pt100 Input/ 1-ch Analog Output, 4-ch Voltage, Current, Pt100/ Pt1000/ Ni100/ Ni1000 Input, 8-ch Temperature Pt100/ Pt1000 Input		-

International Safety Standards* *For details, visit our website.	AC Models	UL, CE, RoHS, G
	DC Models	UL, CE, RoHS, G

Touch PLC Compact with I/O Built-In Compact with I/O Built-In and Expansion Unit

LT4000M Series, LT3000 Series: HMI+PLC



LT-4301TM

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 256KB
- Built-in Control Program
- Alarm Analysis Database
- W163 x H129.4 x D76.22 mm [W6.4 x H5.09 x D3.0 in.]

DIO	CANopen	AIO*
Ethernet		
COM 1 ch		
USB (Host)	USB (Device)	
DIO:Max.20-in/Max.12-out.		
AIO:Max.4-in/Max.2-out.*		
AC	DC	

*Analog model only

LT-4201TM

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 256KB
- Built-in Control Program
- Alarm Analysis Database
- W97.6 x H80 x D74.95 mm [W3.8 x H3.1 x D2.95 in.]

DIO	CANopen	AIO*
Ethernet		
COM 1 ch		
USB (Host)	USB (Device)	
DIO:Max.20-in/Max.12-out.		
AIO:Max.4-in/Max.2-out.*		
AC	DC	

*Analog model only

LT-4000M

- Application 16MB
- Data Backup 256KB
- Built-in Control Program
- Alarm Analysis Database
- W128 x H108 x D60.2 mm [W5 x H4 x D2.36 in.]

DIO	CANopen	AIO*
Ethernet		
COM 1 ch		
USB (Host)	USB (Device)	
DIO:Max.20-in/Max.12-out.		
AIO:Max.4-in/Max.2-out.*		
AC	DC	

*Analog model only

LT-330xT

- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 128KB
- Built-in Control Program
- W167.5 x H135.0 x D78.0 mm [W6.59 x H5.31 x D3.07 in.]

DIO	CANopen*
Ethernet	
COM 1 ch	
USB (Host)	
16-point in, 16-point out.	
Max. 3 EX Modules	
AC	DC

*Requires an optional Master Unit.

3 Ways To Use LT4000M

- Display + Box
- Display + Cable/Adapter (DIN rail) + Box
- Box only + Adapter (DIN rail)



For further information, visit our website.
www.proface.eu/product.html



Industrial PCs

Industrial PCs (Built-to-order for your requirements)

	PS-4800 Aluminum Bezel	PS-4700 Aluminum Bezel Stainless Steel Bezel	PS-4700 (Embedded model) Aluminum Bezel Stainless Steel Bezel	PS-4600 Aluminum Bezel No bezel (Rear-mount)	PS-4000B
Display	19" SXGA (1,280 x 1,024)	15" XGA (1,024 x 768)	15" XGA (1,024 x 768)	12" XGA (1,024 x 768)	—
Expansion Slot	2 slots*1 1 slot*2 0 slot	2 slots*1 1 slot*2 0 slot	0 slot	2 slots*3 1 slot*4 0 slot	5 slots*5 2 slots*1 1 slot*2
CPU	Core™ 2 Duo P8400 2.26GHz Atom™ N270 1.6GHz	Core™ 2 Duo P8400 2.26GHz Atom™ N270 1.6GHz	Atom™ Z510 1.1GHz	Core™ i3-3217UE 1.60GHz Celeron™ 827E 1.40GHz	Core™ 2 Duo P8400 2.26GHz Atom™ N270 1.6GHz
Power Supply	AC 100-240V DC 24V*6	AC 100-240V DC 24V*6	DC 24V*6	AC 100-240V DC 24V	DC 24V*6
RAM	2 to 8GB*7 (Core™ 2 Duo P8400) 1 to 3GB (Atom™ N270)	2 to 8GB*7 (Core™ 2 Duo P8400) 1 to 3GB (Atom™ N270)	1 to 2GB	1 to 16GB*7	2 to 8GB*7 (Core™ 2 Duo P8400) 1 to 3GB (Atom™ N270)
Windows OS	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	Embedded Standard 2009 (32bit)	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)
Storage	CF: 4GB or 8GB*8 HDD: 500GB SSD: 60GB	CF: 4GB or 8GB*8 HDD: 500GB SSD: 60GB	CF: 4GB*8	CFast: 4GB or 8GB*8 HDD: 500GB SSD: 60GB or 128GB*9	CF: 4GB or 8GB*8 HDD: 500GB SSD: 60GB
Interface	COM: 2 LAN: 2 CF: 1 CFast: — DVI-I: 1 USB: 5	COM: 2 LAN: 2 CF: 1 CFast: — DVI-I: 1 USB: 5 (4)*10	COM: 1 LAN: 1 CF: 1 CFast: — DVI-I: — USB: 3 (2)*10	COM: 2 LAN: 2 CF: — CFast: 1 DVI-I: 1 USB: 5 (4)*10	COM: 2 LAN: 2 CF: 1 CFast: — DVI-I: 1 USB: 5
Expansion Option	DVD Multi drive HDD SSD	DVD Multi drive HDD SSD	—	DVD Multi drive HDD SSD	DVD Multi drive HDD SSD
I/F Port	RS-232C/422/485 UPS	RS-232C/422/485 UPS	Ethernet	RS-232C/422/485 UPS	RS-232C/422/485 DVI-D UPS

*: Expandable by adding option.
*1: "PCI x1 and PCIe (x4) x1" or "PCI x2" *2: "PCI x1" *3: "PCI x1 and PCIe(x8) x1" or "PCI x2" *4: "PCI x1" or "PCIe(x8) x1" *5: 5 slots is available when choosing Core™ 2 Duo P8400 only.
*6: Special power supply is available for conformance to marine vessel standards or for the use of UPS. *7: More than 6GB memory is available when choosing 64-bit OS.
*8: CF Card and CFast are Embedded OS only. *9: The SSD 128GB is under development. *10: Stainless Steel Bezel Models and Rear-mount Models have no front USB interface.



The BTO allows you to select your desired PC and customize it in detail.*
* Please note that some patterns cannot be selected depending on the model or combination.
Confirm your selection with the BTO sheet on the Pro-face web site.

For detailed specifications, visit our website.

www.proface.eu/product/ipc/ps4000.html



Box



PE4000 N2600

- Intel® Atom™ Dual Core N2600 1.6 GHz
- Windows® 2009, WES7
- SSD or CFast-selectable
- Fanless model only

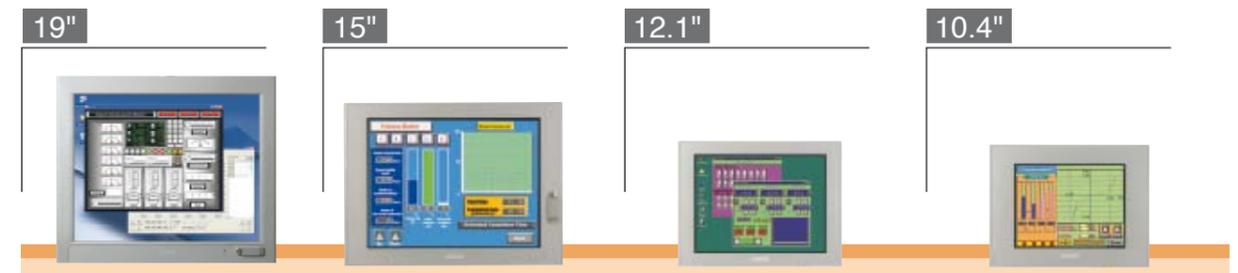
Ethernet 3 ch
COM 6 ch
USB 5 ch
CFast
PCI
PCIe
RGB
HDMI
AC
DC

PE4000 N270

- Intel® Atom™ N270 1.6 GHz
- Windows® 2009
- CF card
- Fanless model only

Ethernet 1 ch
COM 2 ch
USB 2 ch
CF Card
PCI
PCIe
RGB
HDMI
AC
DC

Industrial Flat Panel Display



FP-3900T

- 1,280 x 1,024 pixels (SXGA)
- Front USB Interface (FP3900-T41-U)
- Rear USB Interface
- DVI-D, Analog RGB input
- W460 x H390 x D77.7 mm
- [W18.11 x H15.35 x D3.06 in.]

COM
Analog RGB
DVI-D
USB (Host)*
USB (Device)
AC
DC

*FP3900-T41-U only

FP-3710T

- 1,024 x 768 pixels (XGA)
- Front USB Interface (FP3710-T42-U)
- Rear USB Interface
- DVI-D, Analog RGB input
- W395 x H294 x D60 mm
- [W15.55 x H11.57 x D2.36 in.]

COM
Analog RGB
DVI-D
USB (Host)*
USB (Device)
AC
DC**

*FP3710-T42-U only
**FP-3710T only

FP-3650T/3600T

- 1,024 x 768 pixels (XGA),
800 x 600 pixels (SVGA)
- Rear USB Interface
- DVI-D, Analog RGB input
- W317 x H243 x D58 mm
- [W12.48 x H9.57 x D2.28 in.]

COM
Analog RGB
DVI-D
USB (Host)
USB (Device)
AC
DC*

Coated models are available
*FP-3600T only

FP-3500T

- 640 x 480 pixels (VGA)
- Rear USB Interface
- DVI-D, Analog RGB input
- W317 x H243 x D58 mm
- [W12.48 x H9.57 x D2.28 in.]

COM
Analog RGB
DVI-D
USB (Host)
USB (Device)
AC
DC

Regarding the acquisition of the international safety standards, visit Pro-face website.

For further information, visit our website.

www.proface.eu/product/ipc/series_index.html



Software

Pro-face Remote HMI / Remote HMI Server

Remote Monitoring Software for mobile

Pro-face mobility solutions for remote access

Confirm the cause of an alarm directly with your mobile device and see if the machine can be put back into operation without going on site.

Operate Windows applications via a tablet or a smartphone with Pro-face Remote HMI Server installed on your IPC or PC.

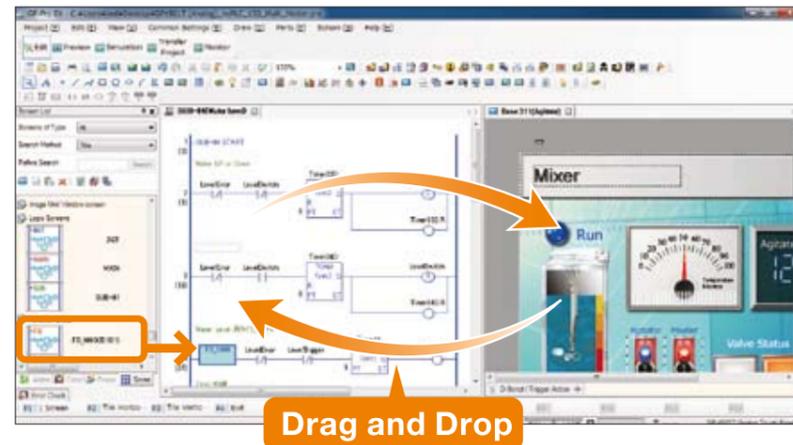


GP-Pro EX

HMI Screen Editor & Logic Programming Software

Easy sharing of symbolized device data between HMI screen and control programs using drag and drop operation provides you with intuitive operation throughout the successful completion of a project.

Function Block control programming also eases your control system design with frequently used and specially defined control functions.

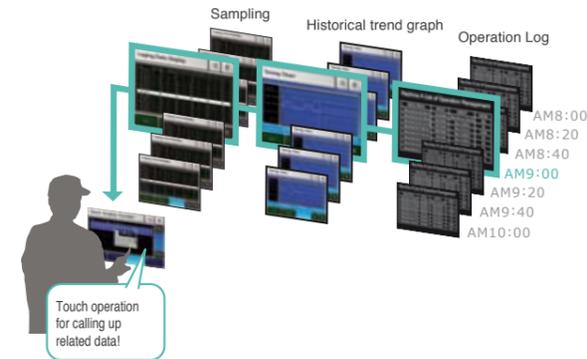


GP-Pro EX Ver 4.x Now available!

- SP5000 Series support
- Time zone function including summer/winter time
- Pro-face Remote HMI: new functions and GP4000M support
- Communication drivers: Mitsubishi Electric Corporation FX3S Series support

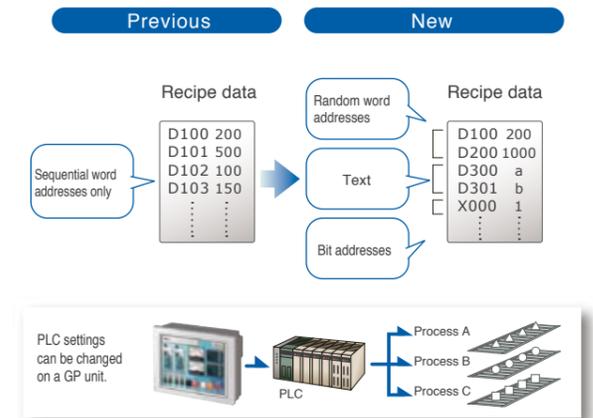
Alarm Analysis

When an error occurs, an operator can easily identify the conditions on-site by touching the alarm message. This calls up the error-related data in chronological order.



Enhanced Recipes

Develop recipes for specific devices that even combine diverse elements such as bit data, word data, and strings.



Easy Transfer

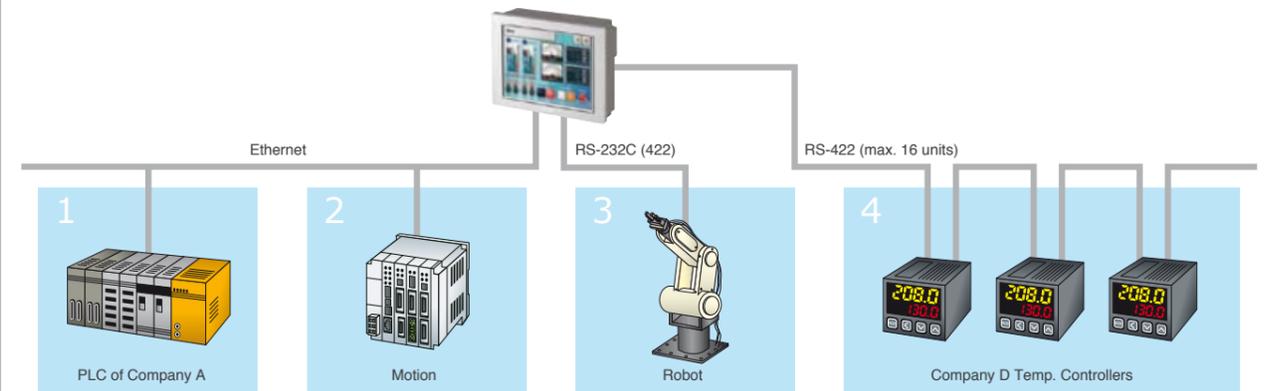
Screen data can be updated by using the data transfer tool, even without a software license.



The data transfer tool can be downloaded for free from the Web
<http://www.pro-face.com/otasuke/download/>

A Wide Range of Device Connections

Using the Serial Interface and Ethernet Interface, you can manage all information from a single GP through simultaneous communication with up to four types of devices.



Remote Monitoring of On-site Situations in Real-time

WinGP - HMI screen data operable on a Windows PC

The IPC runtime engine, WinGP, can run screen data created for Pro-face HMI on GP-Pro EX software on a Windows PC. *1

*1 WinGP can be installed from GP-Pro EX DVD-ROM, only the license needs to be purchased.

Communication with Various Controllers

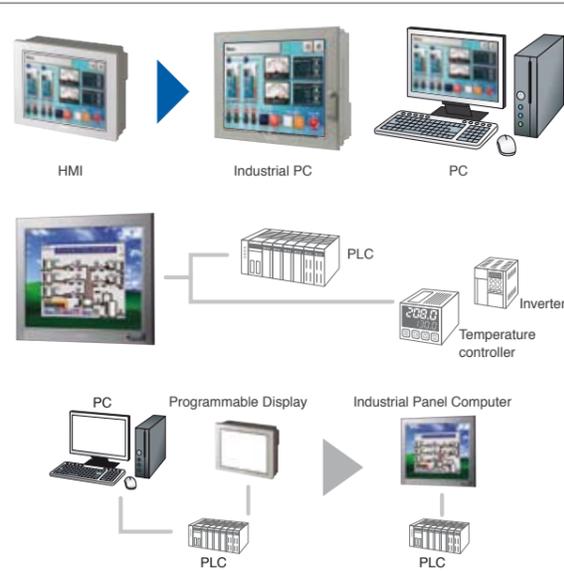
The system configuration which used to be built with PC, HMI and PLC can be built only with IPC and PLC.

Downsize System Space

Communication drivers are included as standard so there is no need to develop drivers for communication with PLCs, temperature controllers, and other control devices.

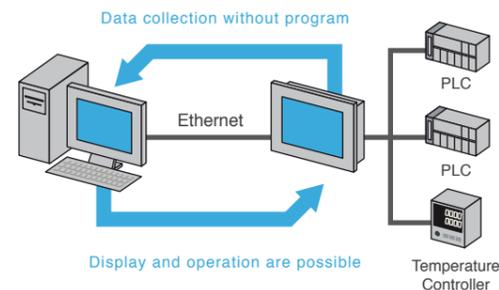
Combination with User Applications

Dedicated API allows for flexible integration with in-house PC applications.



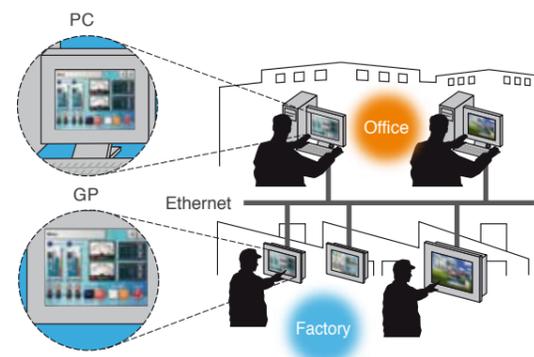
Data Management **Pro-Server EX**

Using GP-Pro EX as your platform, you can easily design screens at low cost that gather information on the display and connected equipment. *1



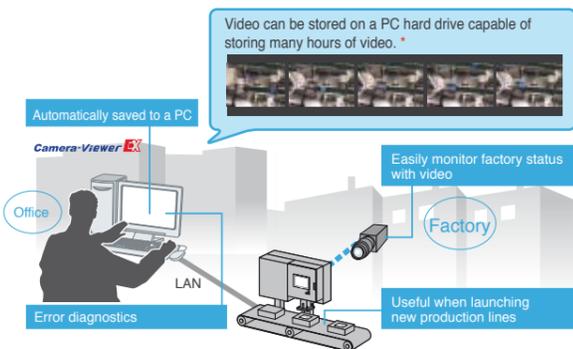
Screen Remote Monitoring **GP-Viewer EX**

You can remotely monitor GP screens on computers far from the worksite. *2



Camera Remote Monitoring **Camera-Viewer EX**

Camera-Viewer EX allows you to use an office PC to view in real-time, record and play video from a remote camera connected to a GP. *2



Remote PC Access **RPA**

With the RPA function, an operation manual on the office PC can be displayed on a GP. *2



Connectable Devices

For further information of supported models and options, and cable diagrams, refer to the PLC Connection Manual.

PLC	
Manufacture	Series
ABB	COMLI
Beckhoff Automation GmbH	TwinCAT AMS/ADS
CoDeSys Automation Alliance	CoDeSys SIO, CoDeSys Ethernet, CoDeSys V3.0 Ethernet
Control Techniques Limited	Control Techniques Modbus SIO, Control Techniques Modbus TCP
Control Technology Corp.	2700 Series
FANUC LTD.	Fanuc Power Mate Series, Fanuc Power Mate I Series, Fanuc Series
Fatek Automation Corp.	FBS, FBn/FBn
Fuji Electric Co., Ltd.	MICREX-F, MICREX-SX, SPH
GE Intelligent Platforms	Series 90-30, Series 90-70, VersaMax Micro, PACSystem RX7i
Hitachi Industrial Equipment Systems Co., Ltd.	H, EH-150, MICRO-EH, Web Controller, EHV
Hitachi, Ltd.	S10V, HIDIC-S10a, S10mini
JTEKT Corporation	TOYOPUC-PC2/PC3J/PC3J/PC3/PS10G
KEYENCE CORPORATION	KV-700/1000/3000/5000/5500, KV Series, Visual KV Series, KV nano
KOYO ELECTRONICS INDUSTRIES CO., LTD.	KOSTAC SG/SU/SZ/PZ3/SR, DL205/305/405, Direct Logic05/06
LS Industrial Systems Co., Ltd.	GLOFA Series, K1000S, K300S, K200S, K120S, K80S, XGK, XGB, XGT, GM1, GM2, GM3, GM4, GM6, GM7, GM7U
MEIDENSHA CORPORATION	UNISEQUE
Mitsubishi Electric Corporation	MELSEC Q(A mode), MELSEC QnA, MELSEC Q, MELSEC L, MELSEC FX, MELSEC A
Mitsubishi Heavy Industries, Ltd.	DIASYS Netmaton, UP/V
OMRON Corporation	SYSMAC C/a/CV, CS1/CJ1/CJ2/CP1/CP1E/NJ
Panasonic Electric Works SUNX Co., Ltd.	FP
Rockwell Automation, Inc.	SLC500, PLC-5, ControlLogix, MicroLogix, CompactLogix
Saia-Burgess Controls Ltd.	PCD1, PCD2, PCD3, PCD4, PCD6
Schneider Electric SA	Nano, Micro, Premium, Twido, Quantum, Momentum, MODBUS communication devices
Sharp Manufacturing Systems Corporation	JW10, JW20H, JW30H, JW50H, JW70H, JW100, JW300
SICK AG	Flexi Soft
Siemens AG	SIMATIC S7-200/S7-300/S7-400/, S7-1200, LOGO! Series, 90U - 115U Series, 135U/155U Series, S5 Series
Siemens Building Technologies	SAPHIR
TOSHIBA CORPORATION	T Series, V Series, EX Series
TOSHIBA MACHINE CO., LTD.	TC200, TC200S, TCmini
YASKAWA Electric Corporation	Control Pack, MP900, MP2000, MP3000, MEMOCON GL, MEMOCON SC, MEMOCON Micro
Yokogawa Electric Corporation	FA-M3, FCN, FCJ
Crouzet Automatismes SAS	Millenium 3 Smart, Millenium 3 Essential

Temperature Controller	
Manufacture	Series
Azbil Corporation (formerly Yamatake Corporation)	SDC10, SDC15, SDC20 / SDC21, SDC25 / SDC26, SDC30 / SDC31, SDC35 / SDC36, SDC40A, SDC40B, SDC40G, SDC45 / SDC46, DMC10, DMC50, DCP31, DCP32, DCP551, DCP552, CMC10B, NX
CHINO CORPORATION	DB, KP, LT, JU, JW
Fuji Electric Co., Ltd.	PXH, PXG, PXR(AutoFIX), PXR(NoAutoFIX), PUM
OMRON Corporation	THERMAC NEO, THERMAC R, In-Panel NEO
RKC INSTRUMENT INC.	CB, FB400/FB900, HA400/HA900, MA900, MA901, SRV, SRX, SA100, SA200, SR Mini HG(H-PCP-A), SR Mini HG(H-PCP-A/B), SR Mini HG(H-PCP-J), REX-F9000, REX-F, REX-D, REX-G9, REX-P300, REX-P250, REX-AD, REX-PG, AE500, LE100, SRZ(Z-TIO), SRZ(Z-DIO), SRZ(Z-CT), SRZ(Z-COM)
Shinko Technos Co., Ltd.	C, FC, FIR, GC, JC, AC, NC, DC, FCL, PC-900
Yokogawa Electric Corporation	Temperature Controllers UT100 Series, Digital Indicating Controllers, UT200

Inverter/Servo	
Manufacture	Series
Fuji Electric Co., Ltd.	FRENIC500G11S, FRENIC500P11S, FVR-E11S, FVR-C11S, FRENIC-MEGA, FRENIC-Mini, FRENIC-Eco, FRENIC-Multi
Hitachi Industrial Equipment Systems Co., Ltd.	L300P, S330, SJ700, SJ700-2, SJH300, HFC-VAH3, X200, SJ200, L200, WJ200
Lenze SE	Lecom 2102 series
Mitsubishi Electric Corporation	FR-A700, FR-A701, FR-E700, FR-F700, FR-A500, FR-C500, FR-A500L, FR-E500, FR-F500, FR-F500J, FR-F500L, FR-S500, FR-V500, FR-V500L, FR-B, B3(A500), FR-B, B3(A700)
Sanmei Electronics Co., LTD.	Si2, CulyAxis2, CulyAxis3
YASKAWA Electric Corporation	Varispeed AC, Varispeed F7, Varispeed F7S, Varispeed G7, Varispeed L7, VS mini J7, VS mini V7/VS-606V7, A1000, V1000, J1000, Analog Voltage/Pulse Train Reference Type SERVOPACKs For Rotary Servomotors, Analog Voltage/Pulse Train Reference Type SERVOPACKs For Linear Servomotors, I-V Series Rotary Motors (M-II), I-V Series Linear Motors (M-II), I-V Series Rotary Motors (M-III), I-V Series Linear Motors (M-III)
Delta-TAU Data Systems, Inc	PMAC, Turbo PMAC

Industrial Robot	
Manufacture	Series
Hyundai Heavy Industries	H4 Robot, H5 Robot
IAI Corporation	PCON, ACON, SCOM, ERC2, ROBONET, X-SEL(Linear Actuator Controller), X-SEL(SCARA Robot Controller), SSEL, ASEL, PSEL, Table-Top Actuator
Yamaha Motor Co., Ltd.	TS-S, TS-X, TS-P
Yaskawa Electric Corporation	DX100, DX200, FS100
SMC Corporation	LECA6, LECP6
Denso Wave Incorporated	RC7, RC8

Other Devices	
Manufacture	Series
Azbil Corporation (formerly Yamatake Corporation)	PBC Series, CMS Series, CMQ-V Series, CMF Series, MPC Series, MVF Series, CML Series, AUR350C Series, AUR450C Series, RX Series
Cognex Corporation	In-Sight 5000 Series Vision Systems, In-Sight Micro Vision Systems
Digital Electronics Corporation	PC or Micro computer board etc., SIO communication devices, Ethernet communication devices
IEC Standard	IEC 60870-5-101
Modbus-IDA	MODBUS Compatible External Device, MODBUS Slave Device
ODVA(Open DeviceNet Vendor Association, Inc.)	EtherNet/IP communication devices
Seiko Epson Corporation	RC700

*1 To use Pro-Server EX, separate software must be purchased. *2 To use GP-Viewer EX, Camera-Viewer EX, WinGP, RPA, a separate license must be purchased.

For further information, visit our website.
www.proface.eu/product/soft/gpproex/driver/driver.html



Pro-face

for the best interface

We are always striving to bring you the high quality interface designed to provide a cohesive, evolving connection between customers and high quality products, service and support from around the world.

All *eyes* on the customer make us "the best interface"

*i*ntimacy

Connect intimately with our customers and stakeholders

*i*nteraction

Enhance customer experience through positive interaction

*i*nnovation

Provide benefits to our customers through innovation

⚠ WARNING

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE

Before operating any of these products, be sure to read all related manuals thoroughly.

Failure to follow these instructions can result in death, serious injury or unintended equipment damage.

- For printing purposes, the colors in this catalog may differ from those of the actual unit.
- Actual user screens may differ from the screens shown here.
- Electric equipment should be installed, operated, serviced, and maintained only by qualified personnel.
- All product names used in this catalog are the registered trademarks or trademarks of their respective companies.
- All information contained in this catalog is subject to change without notice.

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China Pro-face China International Trading Co., Ltd. Shanghai, P. R. CHINA Tel: +86 (0)21 6361 5175 Fax: +86 (0)21 6361 5176 www.proface.com.cn proface@proface.com.cn	Singapore Pro-face Singapore TechPoint, Singapore Tel: +65-6832-5533 Fax: +65-6415-1605 www.proface.sg info@proface.sg	South-East Asia Pacific Pro-face South-East Asia Pacific Co.,Ltd. Bangkok, THAILAND Tel: +66 (0)2 617 5678 Fax: +66 (0)2 617 5688 www.proface.co.th pfsales@proface.co.th	France Pro-face France S.A.S. Mitry-Mory, FRANCE Tel: +33 (0)1 60 21 22 91 Fax: +33 (0)1 60 21 22 92 www.proface.fr info@proface.fr	Poland Pro-face Europe B.V.(Warsaw Office) Warszawa, POLAND Tel: +48 (22) 465 66 62 Fax: +48 (22) 465 66 67 www.proface.pl info@proface.pl	Switzerland Pro-face Schweiz GmbH Regensdorf, SWITZERLAND Tel: +41 (0)43 343 7272 Fax: +41 (0)43 343 7279 www.proface.ch info@proface.ch
India Pro-face India Bangalore, INDIA Tel: +91 80 4333 3540/3541 Fax: +91 80 4333 3222 www.proface.co.in sales.proface@proface.co.in			Germany Pro-face Deutschland GmbH Solingen, GERMANY Tel: +49 (0)212 258 260 Fax: +49 (0)212 258 2640 www.proface.de info@pro-face.de	Russia Pro-face Europe B.V. (Russia Office) Saint-Petersburg, RUSSIA Tel: +7 (812) 336 47 06 Fax: +7 (812) 336 47 18 www.pro-face.ru info@pro-face.ru	United Kingdom Pro-face UK Ltd Coventry, ENGLAND Tel: +44 (0)2476 511288 Fax: +44 (0)2476 511499 www.proface.co.uk info@proface.co.uk